

FODOR ET AL  
Serial No. 09/585,659

71  
cont  
221. (Twice Amended) The collection of claim ~~26~~<sup>1</sup>, wherein the binding polymer is an oligonucleotide having a given length and is selected from the group consisting of all possible oligonucleotide sequences having the same number of nucleotides.

1338. (Twice Amended) The collection of claim ~~26~~<sup>1</sup>, wherein the binding polymer is a protein selected from the group consisting of proteins having enzyme binding sites and proteins having antibody binding sites.

82  
1439. (Twice Amended) The collection of claim ~~26~~<sup>1</sup>, wherein the beads are comprised of a glass surface and the binding polymers are attached through amines on the glass surface.

1540. (Twice Amended) The collection of claim ~~26~~<sup>1</sup>, wherein the beads are comprised of a surface and the binding polymers are attached through hydroxyl groups on the surface.

1641. (Twice Amended) The collection of claim ~~26~~<sup>1</sup>, wherein the binding polymers are oligodeoxyribonucleotides, a plurality of the beads are comprised of a surface and a coating of an organic hydrophilic layer terminating in hydroxyl groups, and phosphates of the oligodeoxyribonucleotides are immediately linked to the hydroxyl groups.

FODOR ET AL  
Serial No. 09/585,659

*13* *2155* (Twice Amended) The collection of claim *2*<sup>*2*</sup>~~*27*~~, wherein the plurality of different beads is reusable.

148

*7*